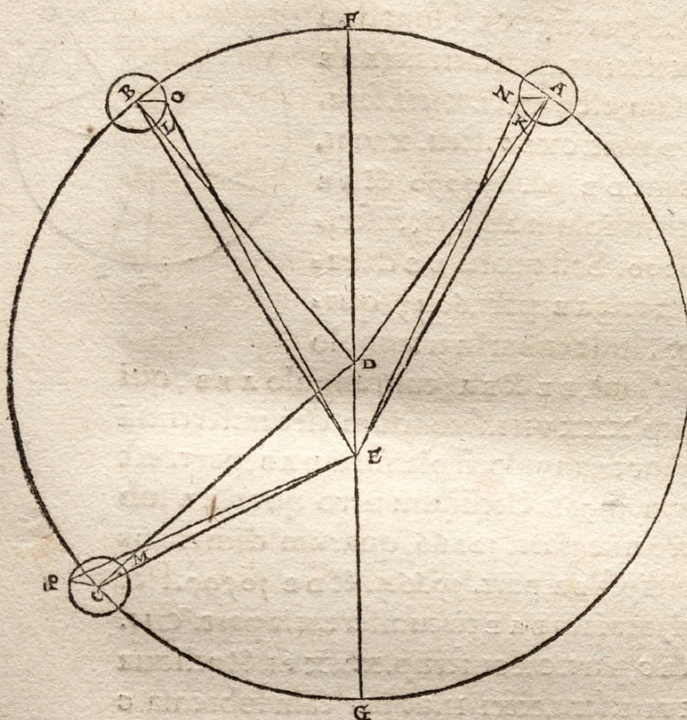


scrup. 12. quæ parum distant à Ptolemæo. Quoniam uero CDK est semilsis totius CDE part. 9949. & CD demonstrata est part. 9299. reliqua ergo DK partiū est 650. quarū GF ponitur 10000. & FD , 1200. sed quarum FD fuerit 10000. erit DK part. 5411. quæ



pro semisse subtrēden
tis duplum anguli DE
 K , est ipse angulus $pt.$
 $XXXII$. scrup. XLV .
Quorum quatuor res
cti sunt $CCCLX$. Atq;
his similes in HL cir
cumferentia subtrēdit
in centro existētis cir
culi. Sed tota CHL me
dieta ipsius CLE $pt.$
est $LXXXIII$. scrup.
 XII . ergo residua CH ,
ab acronychio tertio
ad perigeeum est part.
 LI . scrup. $XXVIII$. quę
demptę à semicirculo
relinquunt CBF circū
ferētiā part. $CXXVIII$.
scru. $XXXII$. à summa

abside ad acronychium tertium. Cumq; fuerit $C B$ circumferen-
tia part. $LXXXVIII$. scrup. $XXIX$. erit residua $B F$ part. XL . scrup.
 III . à summa abside ad acronychium secundum. Deinde quæ se-
quitur $B F A$ circumferentia part. LXX . scrup. $XXXIX$. supplet $A F$
quod erat ab acronychio primo ad apogæum F part. XXV .
scrup. $XXVI$. Sit iam $A B C$ circulus, cuius dimetiens sit $F D E G$,
centrū D , apogæū F , perigæū G , circūferētia $A F$ part. $XXXV$. scrup.
 $XXXVI$. $F B$. part. XL . scrup. III . $F B C$ part. $CXXXVIII$. scrup. $XXXII$.
Capiat aut ex iam demonstrata cētrorū distātia $D B$ dodrās part.
 900 . & quadrās, q̄ reliquus est part. 300 . quarū quæ ex cētro $F D$
fuerint 10000 . secūdū quē quadrantē in $A B C$ cētris epicycliū de-
scribatur & cōpleatur figura iuxta propositā hypothesin. Qui-
bus sic dispositis si elicere uoluerimus obseruata loca Saturni p

modū supius traditū, ac mox repetēdū, inueniemus nō nihīl di-
scerpātia. Et, ut summatim dicā, ne pluribus lectorē oneremus,
neūe plus laborasse uideamur in deujs indicādis, q̄ ptinus re-
cta monstrāda uia, pducūt hāc necessario p triangulorū demō-
stratiōes ad NEO , angulū part. $LXVII$. scrū. $XXXV$. & alterū qui
sub OEN , part. $LXXXVII$. scrū. XII . atq̄ hic apparēti maior est se-
migradu, & ille $XXVI$. scrū. minor. At tūc solū quadrare inuicē
cōperimus, si p̄moto aliquātulū apogæo cōstituerimus AF pt.
 $XXXVIII$. scrū. L . ac deinceps FB circūferētiā part. $XXXVI$. scrū.
 $XLIX$, FB c pt. $CXXV$. scrū. $XVIII$. Cētrorū q̄q̄ DE distātiā, part.
 854 . atq̄ eā q̄ ex cētro epicycli, part. 285 . quarū FD fuerit 10000 ,
quæ ferē cōsentiūt Ptolemæo, ut supius est expositū. Quod em̄
hæ magnitudines apparētijs cōueniāt, ac tribus fulsionibus no-
cturnis obseruatis, exinde p̄spiciū fiet, quoniā sub acronychio
primo in triangulo ADE , latus DE dat̄ partibus 854 . q̄bus AD est
 10000 . Et angulus ADE part. $CXLI$. scrū. X . q̄rū circa cētrū cū AD
 F , sunt duo recti. Demōstrat̄ ex his reliquū latus AE part. 10679
quarū q̄ ex cētro FD erat 10000 . Et reliq̄ anguli DAE , part. II . scrū.
 LII . & DEA part. $XXXV$. scrū. $LVIII$. Similiter in triangulo AEN
q̄niā q̄ sub KAN , æqlis est ipsi ADF , erit iā totus EAN part. XLI .
scrū. $XLII$. & latus AN , part. 285 . quarū erat AE part. 10679 . De-
mōstrabitur angulus AEN , unius esse ptis, scrū. III . sed totus DEA ,
cōstat part. $XXXV$. scrū. $LVIII$. reliquus igit̄, q̄ sub DBN , part.
erit $XXXIII$. scrū. LV . In altera q̄q̄ summæ noctis fulsiōe trian-
gulū BED duorū laterū datorū est, nā DE pt. 854 . q̄liū DB 10000 .
cū angulo BDE , erit idcirco & BE illarū ptiū 10697 . angulus DBE
part. II . scrū. XLV . & reliquus BED part. $XXXIII$. scrū. III . Sed
q̄ sub $LB O$ æqlis est ipsi $BD F$, totus ergo $EB O$ part. erit $XXXIX$.
scrū. $XXXIII$. ad cētrū. Hūc aut̄ suscipiūt data latera BO pt. 285 .
& BE part. 10697 . Quibus demōstratur $BE O$ scrupul. esse LIX . q̄
dēpta ab angulo BED , relinqt̄ OED , pt. $XXXIII$. scrū. V . Iā uero
demōstratū est in prima fulsiōe angulū DBN fuisse pt $XXXIII$.
scrū. LV . totus ergo OEN , angulus erit pt. $LXVIII$. p̄ quē apparu-
it distātia fulsiōis primæ à secūda, ac obseruatiōibus consenta-
nea. Similit̄ etiā ostēdet̄ de tertio acronychio. Quoniā triangu-
li $CD E$ angulus CDE dat̄ pt. $LIII$. scrū. $XLII$. & latera CD , DE quæ